# Iodine Solution Starch kit

Safety Data Sheet

according to the WHS Regulations
Issue date: 25/06/2026 Version: 2.0

## SECTION 1: Product identifier

### 1.1. GHS Product identifier

Product name : Iodine Solution Starch kit

### 1.2. Other means of identification

No additional information available

### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Starch testing of apples
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

### 1.4. Details of manufacturer or importer

Sumitomo Chemical Australia Pty Ltd.
Level 5
51 Rawson Street
Epping NSW 2121
Australia
T +61 (0)2 8752 9000
reception@sumitomo-chem.com.au - www.sumitomo-chem.com.au

### 1.5. Emergency phone number

Emergency number : MEDICAL EMERGENCY
Poisons Information Centre - Phone Australia 13 11 26, National Poison Center - Phone New Zealand 0800 764 766.

TRANSPORT EMERGENCY
Australia - 1800 033 111, New Zealand 0800 734 607

## SECTION 2: Hazard identification

### 2.1. Classification of the hazardous chemical

**Classification according to the model Work Health and Safety Regulations (WHS Regulations)**

Hazardous to the aquatic environment – Acute Hazard, Category 1 H400

### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Environment

Signal word (GHS AU) : Warning
Hazard statements (GHS AU) : H400 - Very toxic to aquatic life
Precautionary statements (GHS AU) : P273 - Avoid release to the environment.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

| Name | CAS-No. | % |
|---|---|---|
| Potassium iodide | 7681-11-0 | <1 |
| iodine | 7553-56-2 | <1 |
| Other substances (not contributing to the classification of this product) | - | Up to 100% |

## SECTION 4: First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
Symptoms/effects after ingestion : None under normal conditions.

### 4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. No action shall be taken without appropriate training or involving any personal risk.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Keep upwind.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code : * 3Z

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. No action shall be taken without appropriate training or involving any personal risk.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and materials for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up : Take up liquid spill into absorbent material.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Keep cool. Protect from sunlight.
Information on mixed storage : Store away from incompatible materials and products. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
Storage area : Keep out of direct sunlight.
Special rules on packaging : Position containers so that any labelling information is visible. Keep packaging closed when not in use. Check containers and packaging regularly for leaks and damage.
Packaging materials : Always store product in container of same material as original container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

No additional information available

### 8.2. Monitoring methods

Monitoring methods : Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.

### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

| | | |
|---|---|---|
| Personal protective equipment | : | Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.<br>Avoid all unnecessary exposure. Wear protective gloves. |
| Hand protection | : | In case of repeated or prolonged contact wear gloves |
| Eye protection | : | Even though no specific eye irritation data are available, wear eye protection appropriate to conditions of use when handling this material. eye protection (EN166) |
| Respiratory protection | : | If mist is formed : Disposable half mask |

**Personal protective equipment symbol(s)**



| | | |
|---|---|---|
| Environmental exposure controls | : | Avoid release to the environment. |
| Other information | : | The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210. PPE compliant with the recommended standards should be selected. |

## SECTION 9: Physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | No data available |
| Colour | : | Amber Brown |
| Odour | : | Mild aromatic |
| Odour threshold | : | No data available |
| pH | : | No data available |
| pH solution | : | No data available |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Melting point / Freezing point | : | Melting point: Not applicable |
| Boiling point | : | No data available |
| Flash point | : | No data available |
| Auto-ignition temperature | : | No data available |
| Flammability | : | No data available |
| Vapour pressure | : | No data available |
| Relative density | : | No data available |
| Density | : | Relative density: 1 at 20°C |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Explosive properties | : | No data available |
| Explosive limits | : | No data available |
| Minimum ignition energy | : | No data available |
| Fat solubility | : | No data available |

## SECTION 10: Stability and reactivity

| | | |
|---|---|---|
| Reactivity | : | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : | Stable under normal conditions. |
| Possibility of hazardous reactions | : | No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : | None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | : | Strong acids. Strong bases. Strong oxidizers. |
| Hazardous decomposition products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## SECTION 11: Toxicological information

| | | |
|---|---|---|
| Acute toxicity (oral) | : | Not classified |

| | | |
|---|---|---|
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |
| Skin corrosion/irritation | : | Not classified |
| Serious eye damage/irritation | : | Not classified |
| Respiratory or skin sensitization | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| STOT-single exposure | : | Not classified |
| STOT-repeated exposure | : | Not classified |
| Aspiration hazard | : | Not classified |

## SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

### 12.1. Ecotoxicity

| | | |
|---|---|---|
| Ecology - general | : | Very toxic to aquatic life. |
| Hazardous to the aquatic environment, short–term (acute) | : | Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long–term (chronic) | : | Not classified |

### 12.2. Persistence and degradability

| Iodine Solution Starch kit | |
|---|---|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

| | | |
|---|---|---|
| Ozone | : | Not classified |
| Other adverse effects | : | No additional information available |

| Iodine Solution Starch kit | |
|---|---|
| Fluorinated greenhouse gases | False |

## SECTION 13: Disposal considerations

| | | |
|---|---|---|
| Regional waste regulation | : | Disposal must be done according to official regulations. |
| Waste treatment methods | : | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : | Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : | Disposal must be done according to official regulations. |
| Additional information | : | Do not re-use empty containers. |
| Ecological waste information | : | The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

## SECTION 14: Transport information

| ADG | IMDG | IATA |
|---|---|---|
| **14.1. UN number** | | |
| 3082 | 3082 | 3082 |
| Australian Special Provision (SP AU01) ADG Code 7th Ed. Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:<br>(a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or<br>(b) IBCs. | Special provision(s) applied : 969 | Special provision(s) applied : A197 |
| **14.2. UN Proper Shipping Name** | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | Environmentally hazardous substance, liquid, n.o.s. |
| **14.3. Transport hazard class(es)** | | |
| 9 | 9 | 9 |
|  |  |  |
| **14.4. Packing group** | | |
| III - Substances presenting low danger | III | III |
| **14.5. Environmental hazards** | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes<br>Marine pollutant: Yes | Dangerous for the environment: Yes |

### 14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

### 14.7. Additional information

Other information : Australian Special Provision (SP AU01) ADG Code 7th Ed. Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:
(a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or
(b) IBCs.

**Transport by road and rail**

UN-No. (ADG) : 3082
Special provision (ADG) : 274, 331, 335, 375, AU01
Limited quantities (ADG) : 5l
Excepted quantities (ADG) : E1
Packing instructions (ADG) : P001, IBC03, LP01
Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions (ADG) : T4
Portable tank and bulk container special provisions (ADG) : TP1, TP29

**Transport by sea**

UN-No. (IMDG) : 3082
Special provisions (IMDG) : 274, 335, 375, 969
Limited quantities (IMDG) : 5 L

| | | |
|---|---|---|
| Excepted quantities (IMDG) | : | E1 |
| Packing instructions (IMDG) | : | LP01, P001 |
| Special packing provisions (IMDG) | : | PP1 |
| IBC packing instructions (IMDG) | : | IBC03 |
| Tank instructions (IMDG) | : | T4 |
| Tank special provisions (IMDG) | : | TP1, TP29 |
| EmS-No. (Fire) | : | F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE |
| EmS-No. (Spillage) | : | S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS |
| Stowage category (IMDG) | : | A |

**Air transport**

| | | |
|---|---|---|
| UN-No. (IATA) | : | 3082 |
| PCA Excepted quantities (IATA) | : | E1 |
| PCA Limited quantities (IATA) | : | Y964 |
| PCA limited quantity max net quantity (IATA) | : | 30kgG |
| PCA packing instructions (IATA) | : | 964 |
| PCA max net quantity (IATA) | : | 450L |
| CAO packing instructions (IATA) | : | 964 |
| CAO max net quantity (IATA) | : | 450L |
| Special provisions (IATA) | : | A97, A158, A197, A215 |
| ERG code (IATA) | : | 9L |

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Z

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

**Australian Industrial Chemicals Introduction Scheme (AICIS)**

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : All the chemicals contained in this product are listed introductions

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)**

Relevant Poisons Schedule number : Unscheduled

**Australian Pesticides and Veterinary Medicines Authority (APVMA)**

Not applicable

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

| | | |
|---|---|---|
| Data sources | : | Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals<br>Safe Work Australia - Code of Practice - Labelling of Workplace Hazardous Chemicals<br>Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants<br>Safe Work Australia - Hazardous Chemical Information System (HCIS)<br>Australian Inventory of Industrial Chemicals (AICIS Inventory)<br>Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020<br>Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017<br>Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017<br>New Zealand - Chemical Classification and Information Database (CCID)<br>New Zealand - Inventory of Chemicals (NZIoC)<br>European Chemicals Agency (ECHA) - Annex VI (C&L Inventory)<br>European Chemicals Agency (ECHA) - REACH Study Results<br>European Chemicals Agency (ECHA) - REACH Registration Dossiers<br>United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS)<br>Uniform Scheduling of Medicines and Poisons (SUSMP)<br>United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation)<br>Australian Dangerous Goods Code (ADG Code)<br>International Air Transport Association Dangerous Goods Regulations (IATA DGR)<br>International Maritime Dangerous Goods (IMDG Code). |
| Issue date | : | 25/06/2026 |

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.